

PATENT ABSTRACTS OF JAPAN

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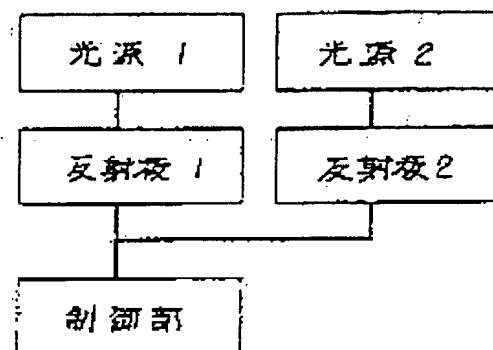
(54) OPTICAL MEDICAL INSTRUMENT

(57)Abstract:

PURPOSE: To easily obtain optical stimulation effective for optical therapy by providing an illumination lamp consisting of a light source whose spectral energy distribution is specified and a reflection/light shielding part and which illuminates a face, an illumination lamp to illuminate the upper part of a head, and a control part to perform the flash control of the illumination lamps.

CONSTITUTION: The optical stimulation effective for the optical therapy is performed by illuminating the face with the illumination lamp 1 consisting of the light source 1 whose spectral energy distribution is set in the neighborhood of 500nm as a peak value and the reflection/light shielding part, and illuminating the upper part of the head with the illumination lamp 2 consisting of the light source 2 whose spectral energy distribution is set between 600nm and 814nm and the reflection/light shielding part, and performing the flash control of the illumination lamps with a timer and the control part. The optical stimulation effective on the optical therapy with superior efficiency can be obtained by using the light source whose distribution is set in the neighborhood of 500nm as the peak value in the light source 1.

Meanwhile, since a wavelength range transmitting the skull and the head cutis with high efficiency is set between 600nm and 814nm, the optical stimulation effective for the optical therapy can be obtained with highest efficiency by using the light source which radiates red color light including infrared radiation in the light source 2.



LEGAL STATUS

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**Japanese Unexamined Patent Publication
No. 302276/1990 (*Tokukaihei* 2-302276)**

A. Relevance of the Above-identified Document

The following is a partial English translation of exemplary portions of non-English language information that may be relevant to the issue of patentability of the claims of the present application.

B. Translation of the Relevant Passages of the Document

See also the attached English Abstract.

[EFFECTS OF THE INVENTION]

Fig. 3 shows an action curve of that portion of a light stimulus acting on a biorhythm which is received by an eye. Thus, a light stimulus having a phototherapeutic effect can be obtained most effectively by using as a light source 1 a light source having a peak at approximately 500 nm.

(5)

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図 1 図

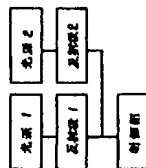


図 2 図

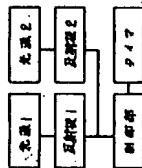


図 3 図

